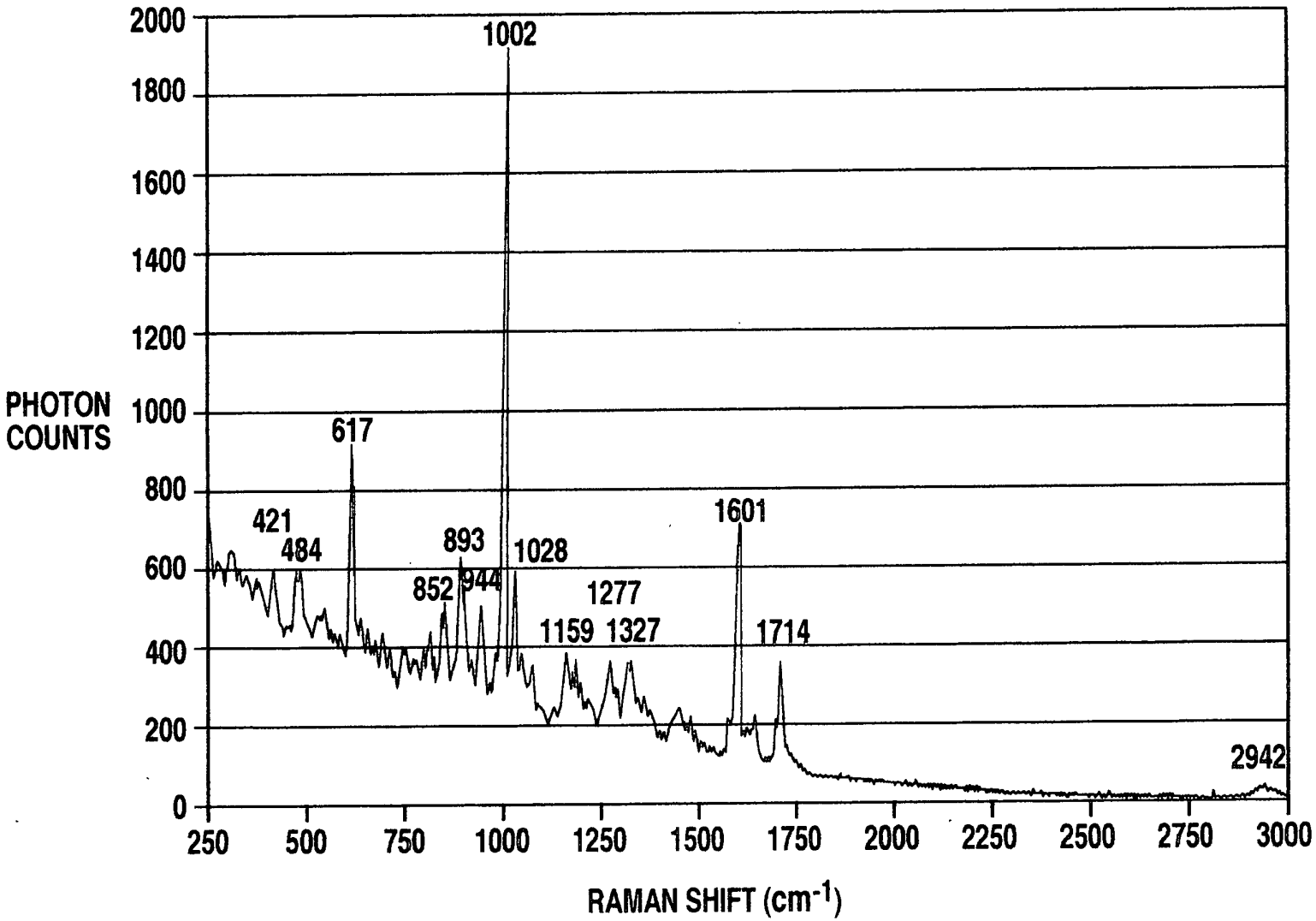
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1600
1400
1200
1000
800
600
400
200
0
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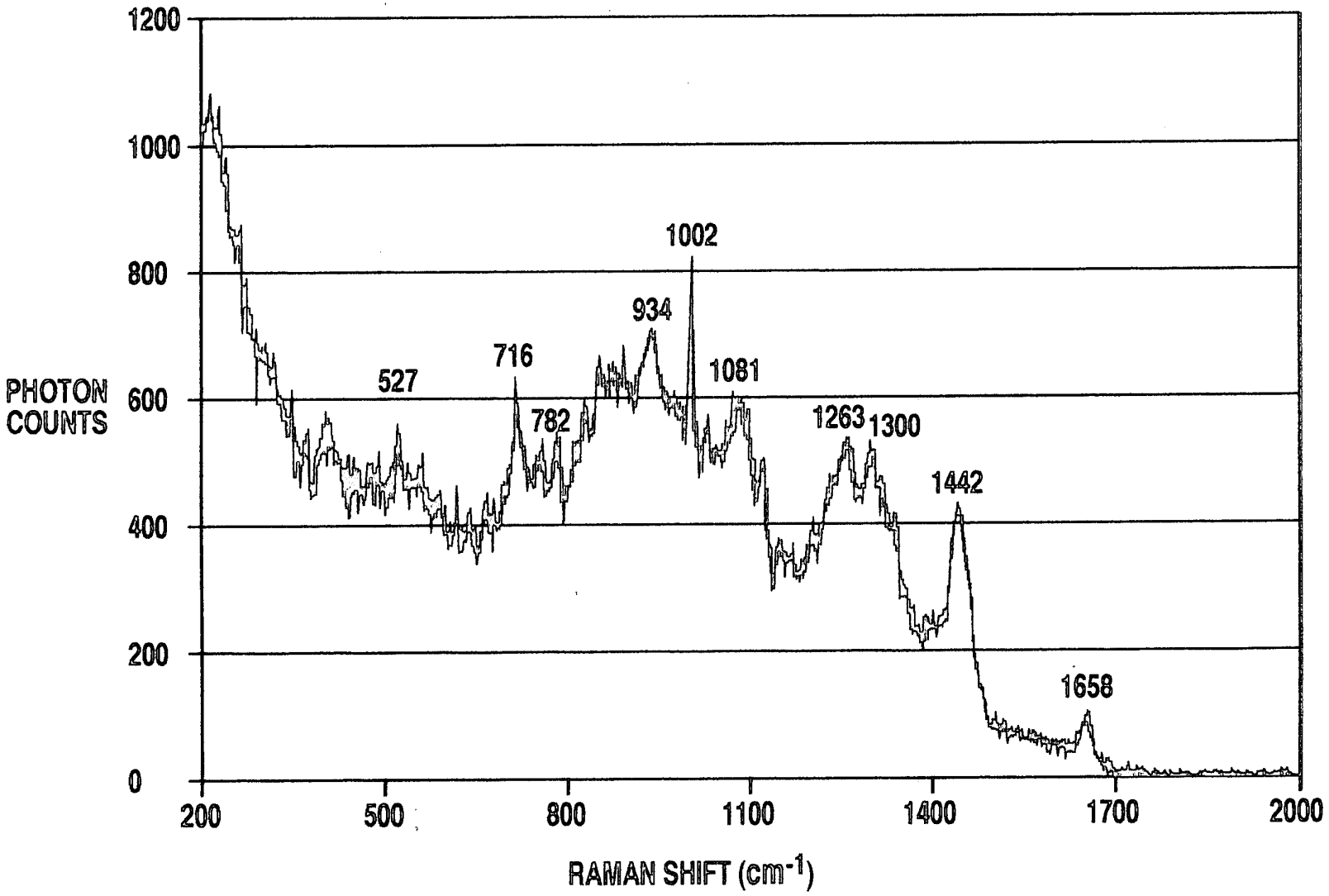
617
421
484
893
852
944
1028
1277
1159
1327
1601
1714
2942
250
500
750
1000
1250
1500
1750
2000
2250
2500
2750
3000
RAMAN SHIFT (cm-1)

Fig. 1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1000
800
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400
200
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PHOTON COUNTS
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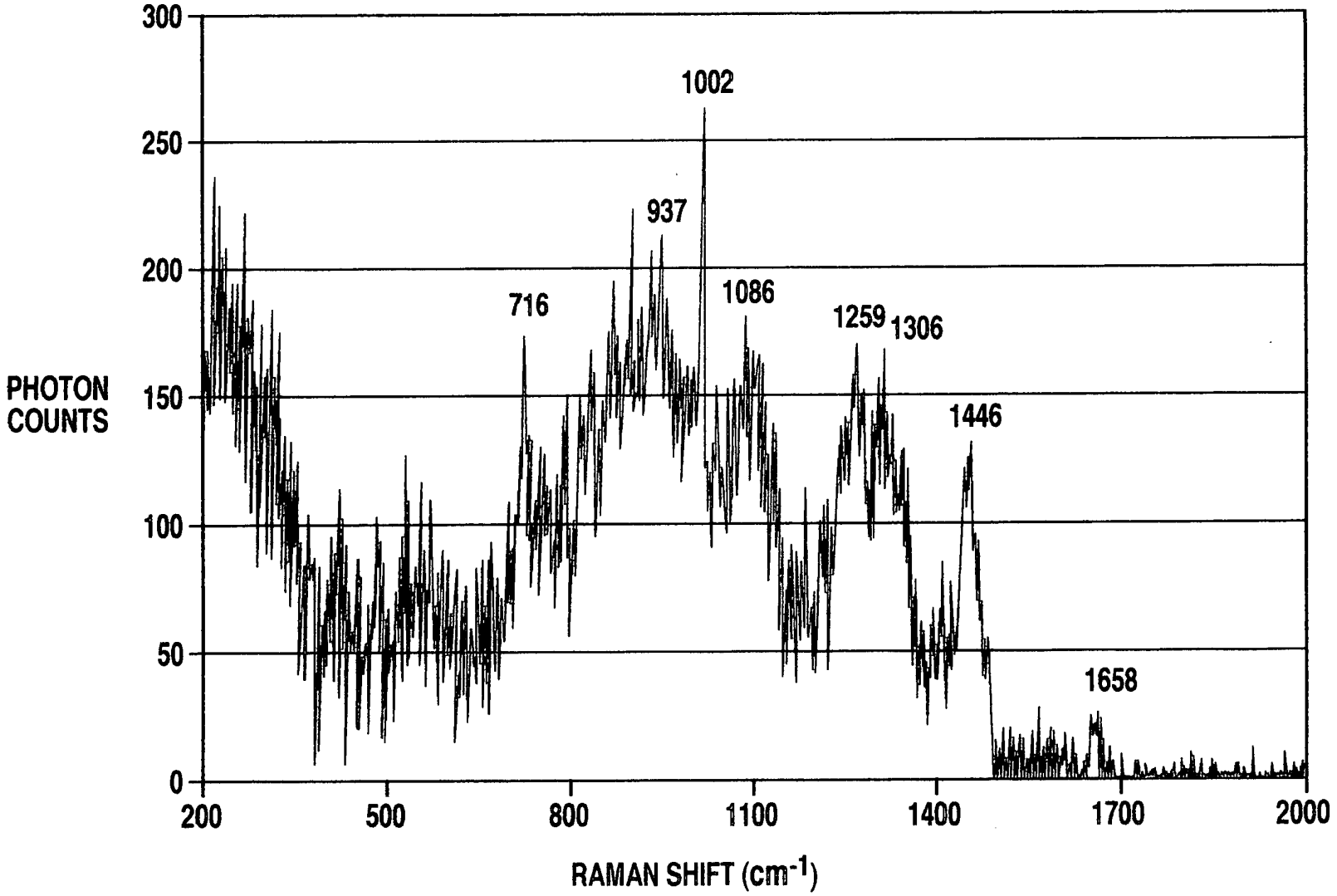
716
782
934
1002
1081
1263
1300
1442
1658
200
500
800
1100
1400
1700
2000
RAMAN SHIFT (cm-1)

Fig. 2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200
150
100
50
0
PHOTON COUNTS
1002
937
716
1086
1259
1306
1446
1658
200
500
800
1100
1400
1700
2000
RAMAN SHIFT (cm-1)

Fig. 3

Figure 4

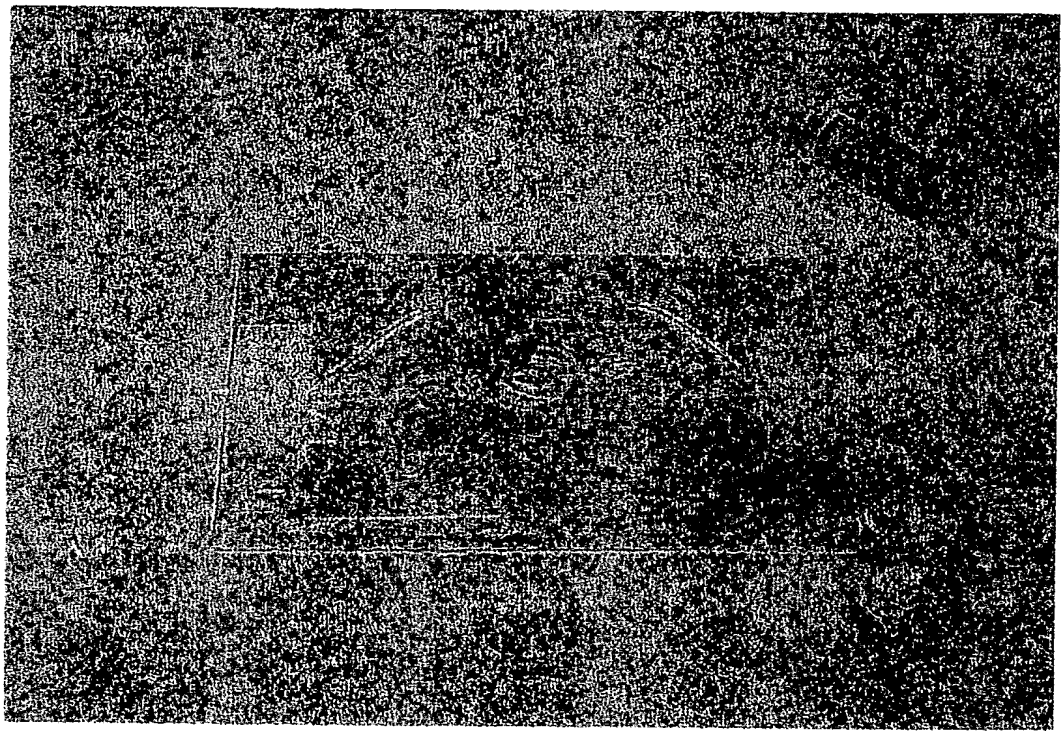

Figure 5

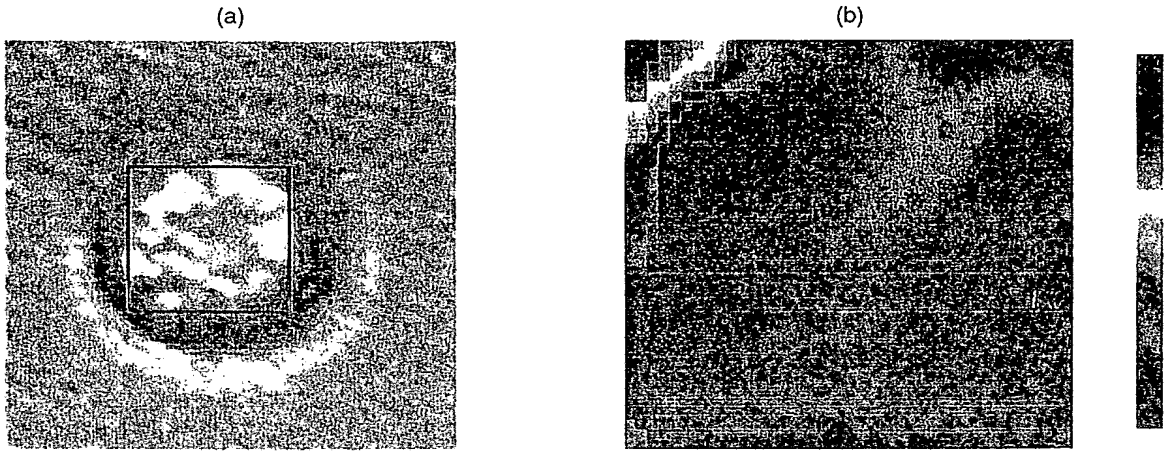

Figure 6

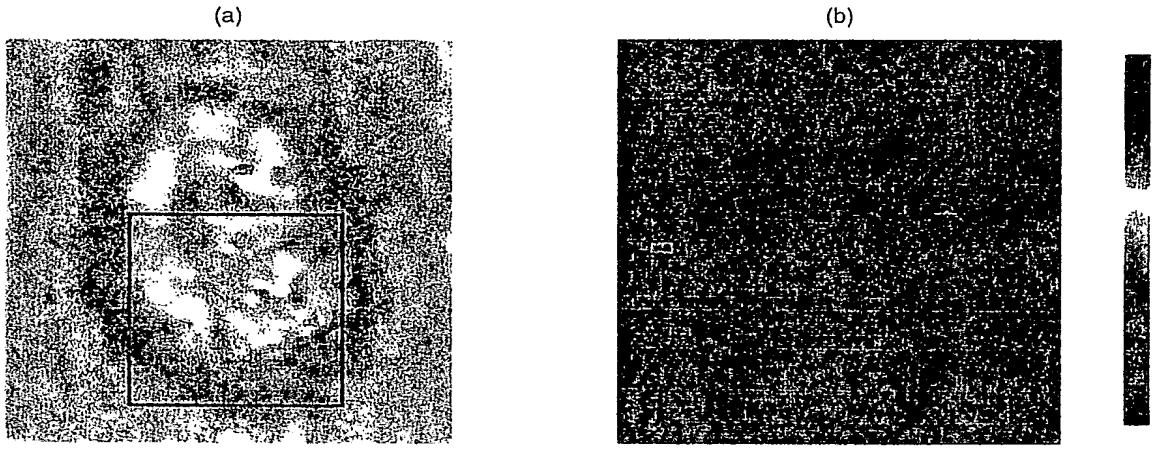
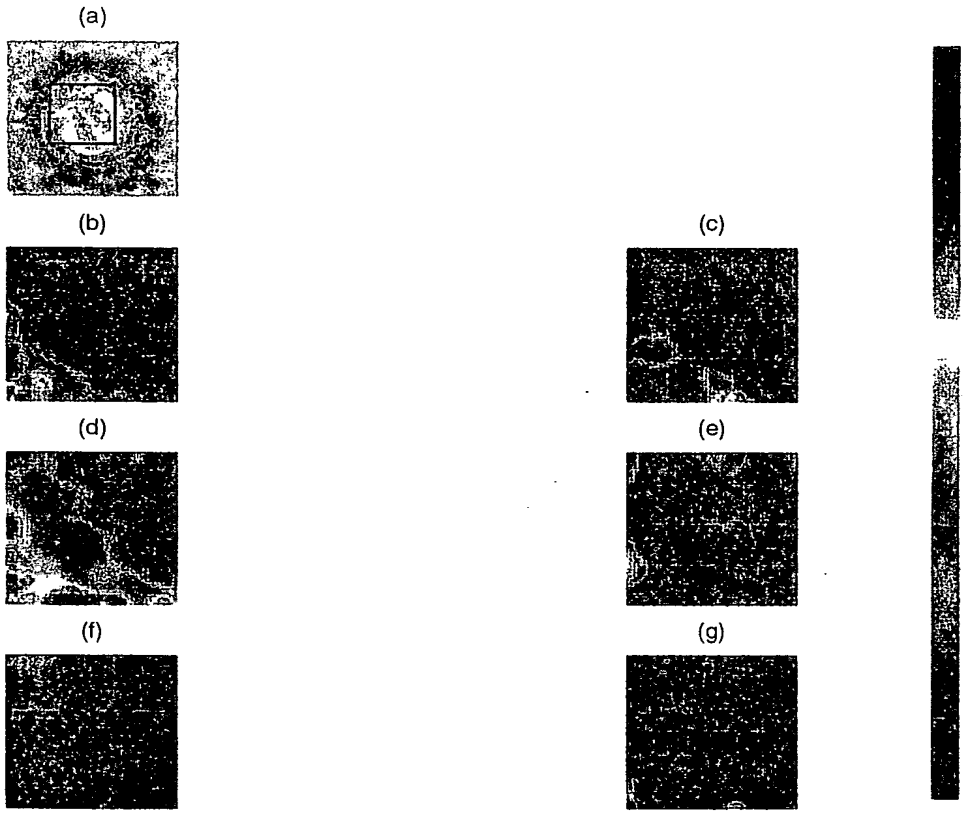
Figure 7